

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-015270**Date Inspected:** 21-Jun-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li yang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S.Chandrakumar was present during the times noted above for observations relative to the work being performed.

Orthotropic Box Girder (OBG) Trial Assembly Areas

Segment 7AW (Cope Holes)

This QA Inspector performed Dimension Control Inspection for the Floor Beam to Bottom Panel Cope Holes, Floor Beam to Side Panel Cope Holes, Longitudinal Diaphragm Cope Holes East and West side of each Panel Point at Work Point (W4) from West Side at Panel Point (PP) 48 and PP 49 for Segment 7AW the Inspection was performed against the ABF Inspection Report No. CWAHIR-7AW-02 Dated June 15, 2010. The measured readings were recorded in the Dimension Control Form (DCP) and submitted to the Lead and Engineer for review.

Segment 7BW (Cope Holes)

This QA Inspector performed Dimension Control Inspection for the Floor Beam to Bottom Panel Cope Holes, Floor Beam to Side Panel Cope Holes, Longitudinal Diaphragm Cope Holes East and West side of each Panel Point at Work Point (W4) from West Side at Panel Point (PP) 50, PP 51 and PP 52 for Segment 7BW the Inspection was performed against the ABF Inspection Report No. CWAHIR-7BW-02 Dated June 15, 2010. The measured readings were recorded in the Dimension Control Form (DCP) and submitted to the Lead and Engineer for review.

Segment 7CW (Cope Holes)

This QA Inspector performed Dimension Control Inspection for the Floor Beam to Bottom Panel Cope Holes, Floor Beam to Side Panel Cope Holes, Longitudinal Diaphragm Cope Holes East and West side of each Panel Point at Work Point (W4) from West Side at Panel Point (PP) 53, PP 54 and PP 55 for Segment 7CW the

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Inspection was performed against the ABF Inspection Report No. CWAHIR-7CW-01 Dated December 17, 2009. The measured readings were recorded in the Dimension Control Form (DCP) and submitted to the Lead and Engineer for review.

Segment 7DW (Cope Holes)

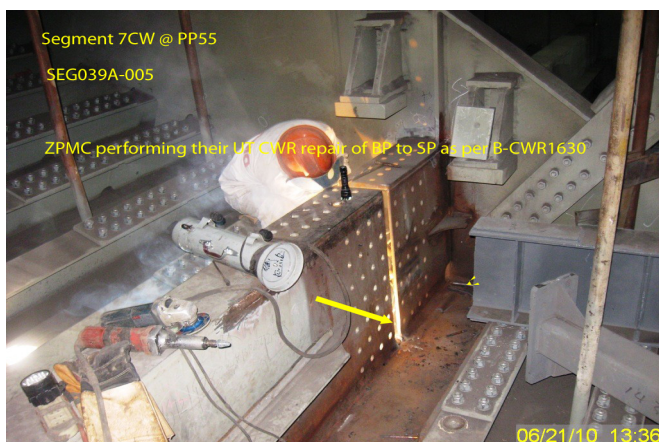
This QA Inspector performed Dimension Control Inspection for the Floor Beam to Bottom Panel Cope Holes, Floor Beam to Side Panel Cope Holes, Longitudinal Diaphragm Cope Holes East and West side of each Panel Point at Work Point (W4) from West Side at Panel Point (PP) 56, PP 57 and PP 58 for Segment 7DW the Inspection was performed against the ABF Inspection Report No. CWAHIR-7DW-01 Dated December 18, 2009. The measured readings were recorded in the Dimension Control Form (DCP) and submitted to the Lead and Engineer for review.

Segment 7EW (Cope Holes)

This QA Inspector performed Dimension Control Inspection for the Floor Beam to Bottom Panel Cope Holes, Floor Beam to Side Panel Cope Holes, Longitudinal Diaphragm Cope Holes East and West side of each Panel Point at Work Point (W4) from West Side at Panel Point (PP) 59 and PP 60 for Segment 7EW the Inspection was performed against the ABF Inspection Report No. CWAHIR-7EW-01 Dated September 10, 2009. The measured readings were recorded in the Dimension Control Form (DCP) and submitted to the Lead and Engineer for review.

This QA inspector observed ZPMC qualified welding personnel performing Shield Metal Arc Welding (SMAW) welding was performed on repair weld joint 005 located at SEG039A cross beam side segment 7CW @ PP55. Welder number is identified as 045196. ZPMC QC is identified as Zhanghai tao. The welding variables monitored and recorded by the QC appeared to comply with WPS-345-SMAW-1G(1F)-FCM-Repair-1.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No relevant Conversation.

Comments

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This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang-15--0042-2372, who represents the Office of Structural Materials for your project.

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| Inspected By: | Kumar,Chadra | Quality Assurance Inspector |
| Reviewed By: | McClendon,Timothy | QA Reviewer |
